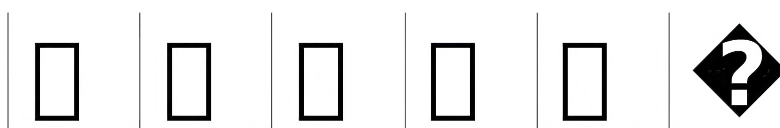
地球が微笑む物づくり



Promise to the Earth

Kawasaki



2004

川崎重工

田崎 雅元

Kawasaki

Kawasaki

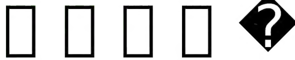
[illegible] Kawasaki [illegible]

[illegible]

[illegible] Kawasaki [illegible]

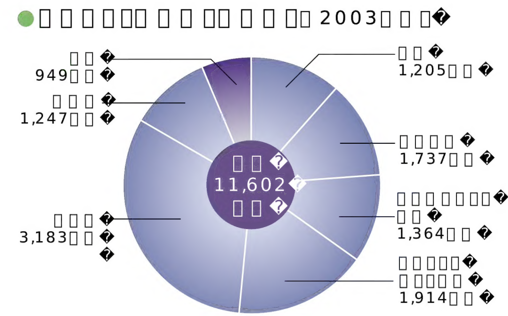
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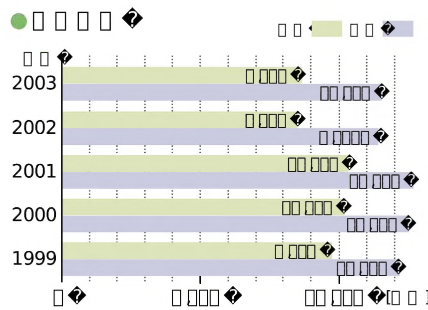
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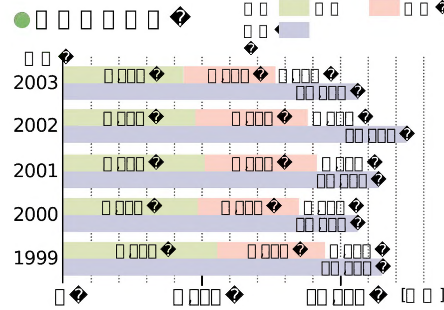


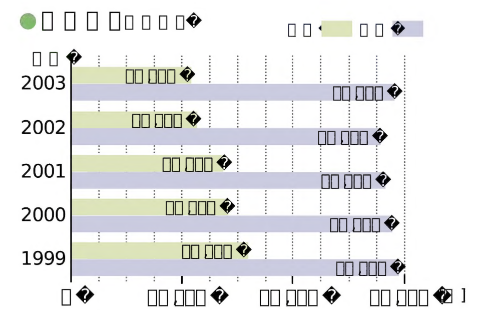
◎社　名：川崎重工業株式会社
◎創　立：1896年10月15日（創業1878年4月）
◎資本金：814億円
◎本社所在地：神戸本社　〒650-8680　神戸市中央区東川崎町1丁目1番3号
　　　　　　　東京本社　〒105-6116　東京都港区浜松町2丁目4番1号
◎代表者：取締役社長　田﨑　雅元
◎事業所：国内…24〈内工場12〉　海外事務所…7　関係会社…135社

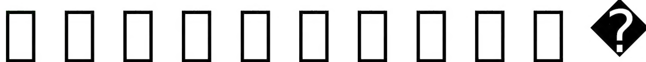
（2004年3月31日現在）

















[illegible]

[illegible]=2010[illegible]4[illegible]2003[illegible]5[illegible]2003[illegible]

[illegible]

[illegible]

[illegible]2003[illegible]

[illegible] KPM [illegible]

[illegible] 2003[illegible]4[illegible]1[illegible] 2004[illegible]3[illegible]31[illegible]

[illegible] 6 [illegible]

地球が微笑む物づくり

Promise to the Earth

[illegible]

[illegible]

[illegible]

[illegible]LNG[illegible]

[illegible]

[illegible]

[illegible]ATV[illegible]

[illegible]Jet Ski®[illegible] Kawasaki[illegible]

1970[illegible]

Simple&Friendly[illegible]

[illegible]

[illegible]

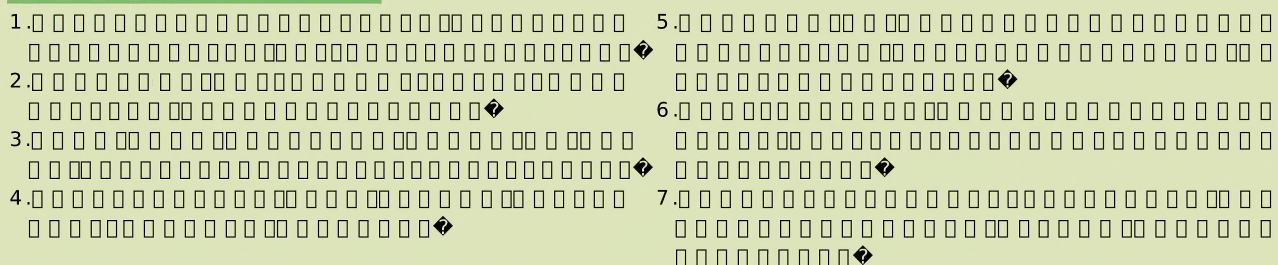
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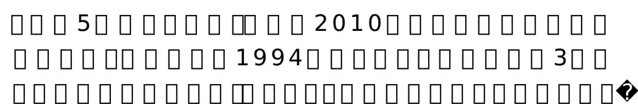
[illegible]LNG[illegible]

[illegible]2[illegible]1[illegible] LNG[illegible]LPG[illegible]

[illegible]

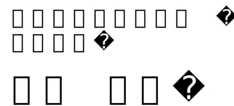












21

2003 2003 3 12 8

EMS

ISO14001

(KEMS) 4

2004

EMS

Kawasaki

BC 2 3



[illegible]

2003[illegible]

■[illegible]4[illegible] 2003[illegible]2004[illegible]

2003[illegible]3[illegible] 4[illegible] 2010[illegible]5[illegible]

[illegible]2004[illegible]

※[illegible]◎…[illegible] ○…[illegible] △…[illegible]

[illegible]		2003[illegible]	[illegible]	2003[illegible]	2004[illegible]
[illegible]	[illegible]	①[illegible] ②IT[illegible] ③[illegible]	△ △ ○	①[illegible] P9[illegible] ②[illegible] ③[illegible] P9[illegible]	[illegible] e-[illegible]
[illegible]	[illegible]	①[illegible]EMS[illegible] ②[illegible] ③[illegible] ④[illegible]IT[illegible]	△ △ ○ ○	①[illegible]EMS[illegible] ②[illegible] ③[illegible]2[illegible]/[illegible] ④[illegible]	[illegible]EMS[illegible]
[illegible]	[illegible]	①[illegible] ②[illegible] ③[illegible]	○ ○ ○	①[illegible]P11[illegible] LCA[illegible]P11[illegible] ②[illegible] 2004[illegible]3[illegible]P11[illegible] ③[illegible]P12[illegible]18[illegible]	[illegible]
[illegible]	[illegible]	①[illegible] ②[illegible]	△ ○	①[illegible]1[illegible]P9[illegible] ②[illegible]	[illegible]
	[illegible]	①[illegible] ②[illegible] [illegible]2002[illegible]1[illegible] ③[illegible] [illegible]2000[illegible]2[illegible] ④[illegible] ⑤[illegible] [illegible]PCB[illegible]	○ △ ◎ ◎ ○	①[illegible] ([illegible]) ②2002[illegible]6.2[illegible]P19[illegible] ③2000[illegible]3.3[illegible]P20[illegible] ④[illegible]P20[illegible] ⑤[illegible] [illegible]PCB[illegible]	[illegible] CO_2[illegible]2003[illegible] 2.6[illegible]265,800t-CO_2[illegible] [illegible]2000[illegible] 3.5[illegible]66,300t[illegible] [illegible]2004[illegible] [illegible]PCB[illegible]
[illegible]	[illegible]	①[illegible] ②[illegible] ③[illegible]	◎ ○ ○	①[illegible]P23[illegible]26[illegible] ②PRTR[illegible]P9[illegible] ③[illegible]P21[illegible]	[illegible]

2003 … 6 … 7 … 10 … 11 … 1999 … 14001 … 2002 … Kawasaki …

NPO

ISO14001

ISO14001 … /

	2002.2	LRQA
	2000.5	JICQA
	2000.9	NK
	2002.2	BSK
	2000.3	LRQA
	2000.12	NK
	2001.2	NK
	1999.3	NK
	1999.11	JICQA
	2000.2	DNV
	2002.8	NK
	2000.8	DNV
	1998.2	DNV

LRQA … QA … BSK … JICQA … QA … DNV … NK



[illegible]

2003[illegible]1[illegible]

[illegible]	1999	2000	2001	2002	2003
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[illegible]	0	1	1	3	0
[illegible]	2	0	4	2	1

[illegible]ISO14001[illegible]

2003[illegible]137[illegible]

[illegible]	72[illegible]
[illegible]	76[illegible]
[illegible]	33[illegible]
[illegible]	24[illegible]
[illegible]	17[illegible]
[illegible]	222[illegible]

[illegible]	20[illegible]
[illegible]	20[illegible]
[illegible]	40[illegible]

2003[illegible]PRTR[illegible]

[illegible] 20[illegible] 39[illegible] 41[illegible]

[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	63	25	12
[illegible]	56	37	7
[illegible]	52	33	15
[illegible]	35	45	20
[illegible]	27	50	23
[illegible]	17	53	30
[illegible]	15	45	40
[illegible]HP	8	62	30
[illegible]	7	39	54

0 20 40 60 80 [illegible]

[illegible]4[illegible]



[illegible]

[illegible]

● [illegible]
● [illegible] 2003[illegible]4[illegible]1[illegible] 2004[illegible]3[illegible]31[illegible]

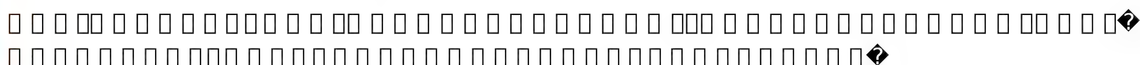
● 2003[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		42.3	1,159.4	[illegible] 932.8	[illegible]	272,883 [illegible]-CO2
						[illegible]	2,600 [illegible]-CO2
	[illegible]		[45%]	[179[illegible]]	[364[illegible]]	[illegible]	[illegible]15,922[illegible]-CO2
	[illegible]		2.7	143.7	[illegible] 130.6	[illegible]	466,435 [illegible]
						[illegible]	19,939 [illegible]
						[illegible]	7,156 m^3
	[illegible]		[12[illegible]]	[82[illegible]]	[122[illegible]]	[illegible]	[illegible]163[illegible] m^3
	[illegible]	● [illegible]	18.3	428.7	[illegible] 746.9	[illegible]	66,395 [illegible]
		[illegible]	[36[illegible]]	[421[illegible]]	[318[illegible]]	[illegible]	1,400 [illegible]
						[illegible]	565 [illegible]
		● [illegible]	26.3	685.7	[illegible] 22.2	[illegible]	62,209 [illegible]
		[illegible]	[21[illegible]]	[77[illegible]]	[1380[illegible]]	[illegible]	94 [illegible]
	[illegible]		399.0	966.2	——	SOx[illegible]	18.1 [illegible]
						[illegible]	4.5 [illegible]
						NOx[illegible]	98.3 [illegible]
						[illegible]	62.2 [illegible]
						COD[illegible]	16.6 [illegible]
	[illegible]		[74[illegible]]	[105[illegible]]		[illegible]	0.2 [illegible]
	[illegible]		488.6 ※1	3,383.7	1,832.5	——	
	[illegible]		[59[illegible]]	[124[illegible]]	[305[illegible]]		
[illegible]	[illegible] G[illegible]		266.6	2,745.7	0.1	——	
	[illegible]		0.0	0.1	0.0		
	[illegible]		0.0	0.0	44.2		
	[illegible]		266.6	2,745.8	44.3	——	
	[illegible]		[104[illegible]]	[102[illegible]]	[137[illegible]]		
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		● EMS[illegible]	0.0	347.2	——		
		● [illegible]	0.0	63.5	——		
	[illegible]		0.0	492.8	——	——	
	[illegible]		[——]	[105[illegible]]			
[illegible]	[illegible]		28.4	2,894.2 ※2	——	——	
	[illegible]		[102[illegible]]	[90[illegible]]			
[illegible]	[illegible]	● [illegible]	1.7	44.1	——	——	
		● [illegible]	0.0	24.8	——		
	[illegible]		1.7	68.9	——	——	
	[illegible]		[9[illegible]]	[34[illegible]]			
[illegible]	[illegible]		6.2	39.8	——	——	
	[illegible]		[7[illegible]]	[99[illegible]]			
	[illegible]		791.5 ※3	9,625.2	1,876.8	——	
	[illegible]		[65[illegible]]	[103[illegible]]	[297[illegible]]		

[illegible]	[illegible]
[illegible] ※4	28,344.8
[illegible] ※5	13,856.9

[illegible] ※3/[illegible] ※4	3[illegible]
[illegible] ※2/[illegible] ※5	21[illegible]
[illegible] ※1/[illegible] ※3	62[illegible]



[illegible]

[illegible]

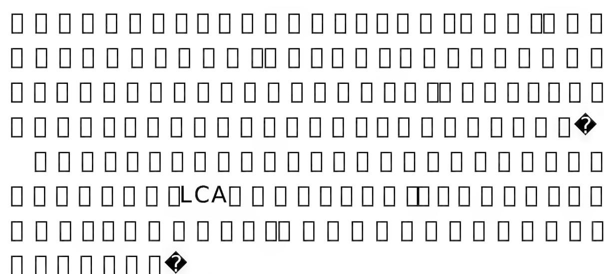
[illegible] KC [illegible]

2003 [illegible]

[illegible] KE [illegible] KC [illegible] KC [illegible]

[illegible] KE [illegible] 10 [illegible] 20 [illegible] 15 [illegible] 40 [illegible]





[illegible] KC [illegible]

[illegible]

[illegible]	1999	2000	2001	2002	2003
[illegible] /	7/14	10/14	11/14	10/13※	10/12※
[illegible]	47	69	138	123	98

※ [illegible]

LCA [illegible]

[illegible] LCA [illegible]

[illegible] LCA [illegible] LCA [illegible] LCA [illegible]

[illegible] LCA [illegible]

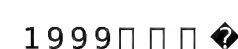
[illegible]

[illegible]

2003 [illegible] e [illegible]

[illegible]

[illegible] 4 [illegible]



[illegible] 1999 [illegible]

1 [illegible]

2 [illegible]

3 [illegible]



[illegible] (Kawasaki Collaboration Network)



● CO_2 1 … 1 …

… CO_2 … 1974 … 1 …

… 6,000kW … 1/4 …

… 7 … CO_2 … 14 … 1 … 9,800 … CO_2 …

● 6,480kW
● 12.6t/h ● 5,650

… LPG …

● 3 … 20 … CO_2 …

SEA-Arrow（Sharp Entrance Angle bow as an Arrow）… LPG …

… 6 … 10 …

2003 … 6 … m3 … SEA-Arrow … 1 … 6 … C … 1 … 3 … 20 … C … 1 … CO_2 … 3 …

… SEA-Arrow … LPG …

… m3 … 1 … m3 … 7 … CO_2 … 20 … 3 … 8 … 24 …

… LPG … SEA-Arrow …

… 15 …

SEA-Arrow … 1

SEA-Arrow

SEA-Arrow RBS-F LNG LNG 10,000m³(7%)

NOx

FRP

90

[illegible]

[illegible] 4 [illegible] 2003 [illegible] Ninja ZX-10R [illegible] Z-750 [illegible]

[illegible] NOx [illegible] 15 [illegible] 14 [illegible] 13 [illegible]

[illegible]

- [illegible]
- [illegible] ([illegible]) [illegible]
- [illegible]
- [illegible] LNG / LPG [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible] 3 [illegible] 1 [illegible] 2 [illegible] 19 [illegible] 27 [illegible]

- [illegible]
- [illegible] ([illegible]) [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible] KCRC [illegible] Statistical Energy Analysis [illegible]

[illegible] 80dBA [illegible] 70dBA [illegible] 10dBA [illegible] 76dBA [illegible] 73dBA [illegible] 3dBA [illegible]

- [illegible]
- [illegible] 55 [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]



[illegible]

[illegible]

[illegible] 2003 [illegible]

★…[illegible] ●…[illegible] ●…[illegible] ●…[illegible] ●…[illegible] ●…[illegible]
■…[illegible] ■…[illegible]

[illegible]

● [illegible] (CCPP)

CCPP [illegible] CCPP [illegible]

[illegible]

● [illegible]

[illegible] 32 [illegible] 39,200kW [illegible] 2 [illegible] 700m [illegible] 600kW [illegible] 2 [illegible]

[illegible]

[illegible]

● [illegible]

[illegible] NOx [illegible] SPM [illegible]

● [illegible] Nox [illegible] (KACC)

[illegible] NOx [illegible]

SOx [illegible] NOx [illegible]

● [illegible] NOx [illegible]
● [illegible] NOx [illegible]









ガスエンジン発電機

電力80kW

固定床ガス化炉

ガス化
反応

空気

木酢液

チャーアッシュ

サイクロン

ダスト

スクラバー

ポンプ

冷却塔

セーフティーフィルター

ソーダストフィルター

排気ガス
(450℃)

廃熱回収
ボイラ

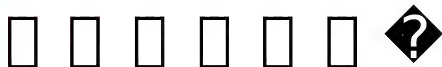
蒸気
100kg/h
0.6MPa

スチーム
ミキサー

温水

吸収冷温水機

空調
冷房240kW
暖房240kW



2003□□□□12□□□7□□□□□□□□□□□□□□□□□□□□□□□□
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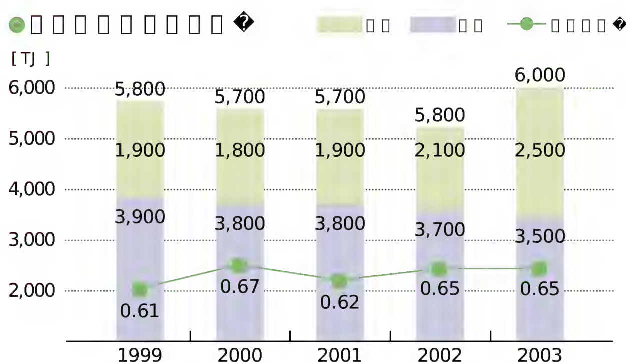
□□□□□□□□□□□□□□□□□□□□14001□□□□□□□□□□□□□□□□□□□□EMS□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

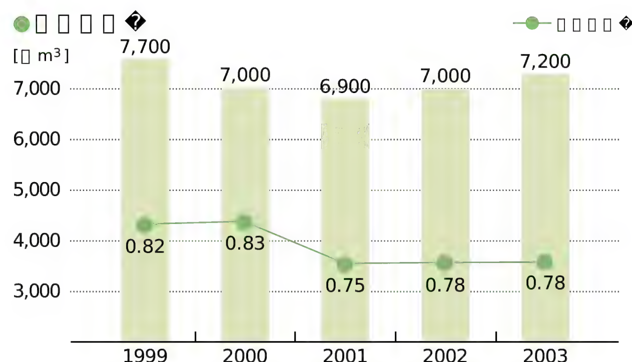
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□□□□□□□□□□□□□□□□□□□□□□□□□□□□2003□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□200TJ□□□□□2.2□□□□□□□□□□□□□□□□□□□2.3□□□□□□□□□□

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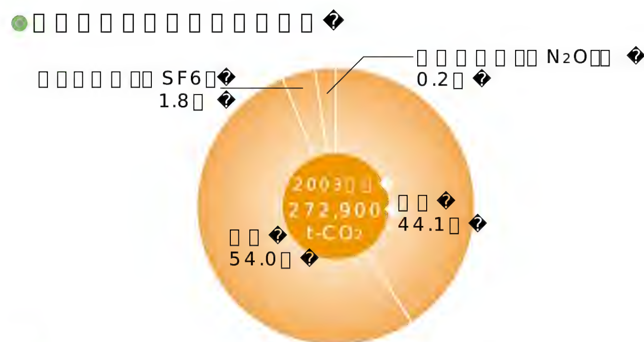


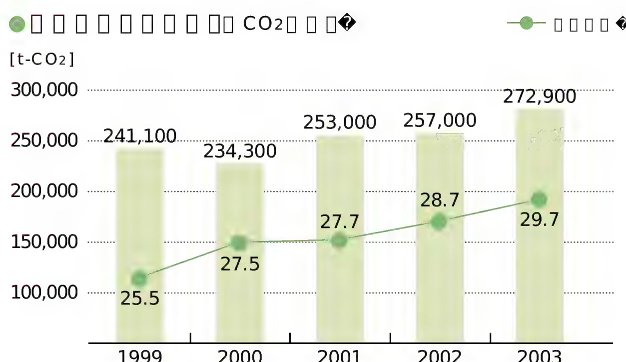
※□□□□□□□□□□□□□□□□□□□□□□□□CO_2□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□KPM□□□□

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CO_2□□□□□□□□□□□□□□2003□□□□□□□□□□□□□□□□□□□□□□□□6.2□□□15,900t-CO_2□□□□□□□□

□□□2003□7□□





□2001□□□□□□□□□□□□□□□□
□2002□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□
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□1□□□□□2002□2004□□
□□CO_2□□□□□□□□□□□

□2□□□□□2005□2007□□
□□□□□□□□□□□□□□□□□□□□□3□□□□□□□□□□□□□□□□□□□□□□CO_2□□

□3□□□□□2008□2012□□
□□□□□□□□90□□6□□□□□□□□□□□□□□□□□□□□□□□□□□

[illegible]

■3R [illegible]

[illegible] 20 [illegible] 3R [illegible]

2003 [illegible] 66,400t [illegible] 600t [illegible] 62,200t [illegible] 94 [illegible] 9 [illegible]

[illegible]

[t]

	1999	2000	2001	2002	2003
[illegible]	71,900	68,700	68,100	67,000	66,400
[illegible]	48,100	47,700	56,000	56,600	62,200
[illegible]	67	69	82	85	94

■3 [illegible]

[illegible]

[illegible]

[illegible]	[illegible] (ton/[illegible]) ① [illegible] ② [illegible]		[illegible]		[illegible] (%) ① [illegible] ② [illegible]		[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	①3,792 ② 464	①3,268 ② 517	91.6	100	①95 ② 5	①97 ② 3	2001 9
[illegible]	①4,787 ②1,292	①4,941 ② 522	93.4	99.4	①95 ② 5	①96 ② 4	2001 12
[illegible] KPM	①2,418 ②1,027	①2,804 ②1,151	97.7	99.9	①73 ②27	①87 ②13	2002 3
[illegible]	①4,375 ②1,975	①4,042 ②1,865	89.2	100	①85 ②15	①91 ② 9	2002 11
[illegible]	①16,705 ②11,046	①17,139 ②11,961	75.0	99.3	①90 ②10	①92 ② 8	2003 12
[illegible]	①3,142 ②1,155	①2,838 ②1,126	92.0	99.9	①83 ②17	①85 ②15	2003 12

[illegible]

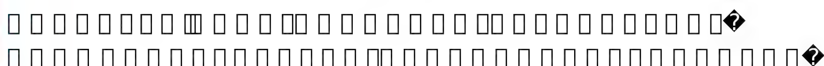
■PRTR [illegible]

2003 [illegible] 1,000kg [illegible] 8 [illegible] 26 [illegible]

[illegible] 2003 [illegible]

[illegible] kg

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[[illegible]] 1,000kg [illegible]							
1	[illegible]	0	58	0	58	0	636
30	[illegible] A	0	0	0	0	0	4,576
40	[illegible]	156,303	0	0	156,303	0	5,062
43	[illegible]	0	0	0	0	0	342
63	[illegible]	611,693	0	0	611,693	0	52,786
67	[illegible]	0	193	0	193	0	1,094
68	[illegible] 3 [illegible]	49	20	0	69	0	33,955
100	[illegible]	1	0	0	1	0	369
101	[illegible] 2- [illegible]	0	0	0	0	0	767
108	[illegible]	0	3	0	3	0	220
145	[illegible]	75,724	16	0	75,740	0	5,169
177	[illegible]	5,865	0	0	5865	0	2,168
207	[illegible])	0	12	0	12	0	229
224	1,3,5- [illegible]	2,005	0	0	2,005	0	63
227	[illegible]	243,729	0	0	243,729	0	50,242
230	[illegible]	0	3	0	3	0	994
231	[illegible]	3	0	0	3	0	1,162
266	[illegible]	0	3	0	3	0	5,649
283	[illegible]	290	1,335	0	1,625	0	9,384
309	[illegible] ([illegible])= [illegible]	0	0	0	0	0	2,440
311	[illegible]	175	0	0	175	0	60,096
346	[illegible]	1	0	0	1	0	191
[[illegible]] 500kg [illegible]							
69	6 [illegible]	0	22	0	22	0	3,615
179	[illegible] mg-TEQ	0	1	0	1	0	0
232	[illegible]	0	1,327	0	1,327	0	4,468
299	[illegible]	6	0	0	6	0	0







MINE DOG

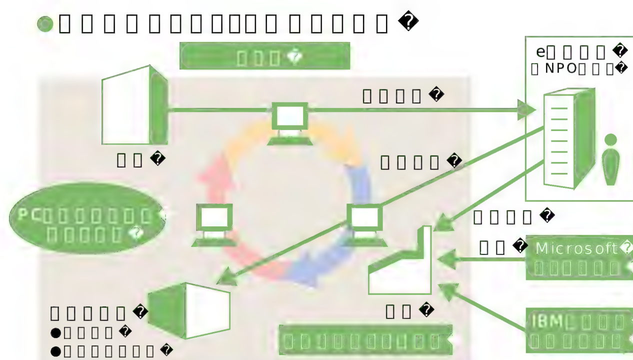


MINE BULL



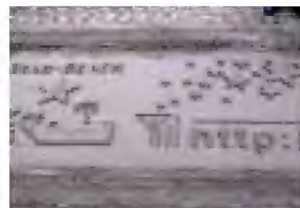


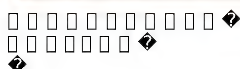




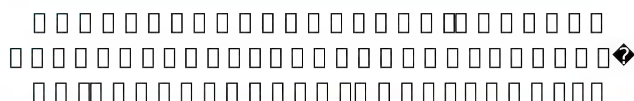


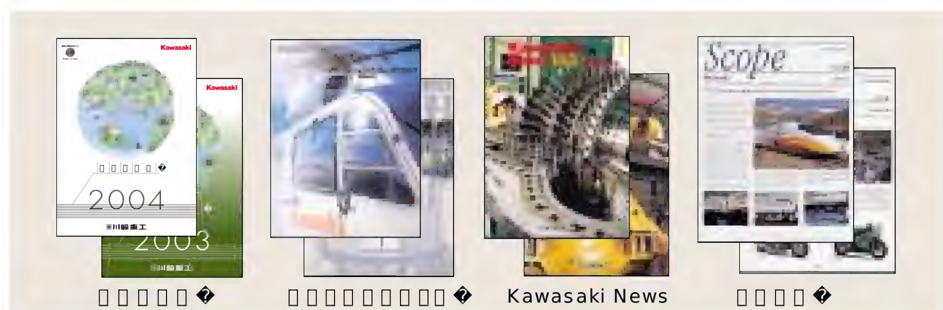






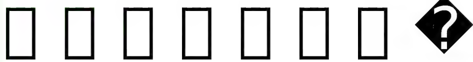






Kawasaki News





[illegible]

[illegible] 2003 [illegible]

[illegible] 25 [illegible] 26 [illegible]

■ [illegible]

※1. [illegible]

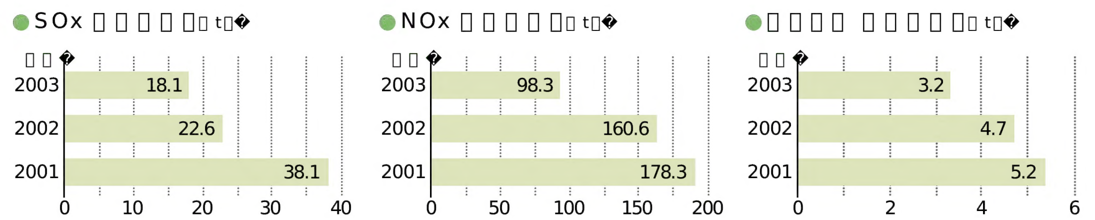
※2. [illegible]

※3. — [illegible] 0 [illegible] 0 [illegible]

※4. [illegible]

※5. [illegible] % [illegible] [ ] [illegible]

[illegible] ※1				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]		ton	49,101	8,776	17,701
		[illegible]		ton	4,070	0	0
		[illegible]	[illegible]	TJ	469	791	467
			[illegible]	TJ	145	448	491
			[illegible]	TJ	614	1,239	958
		[illegible]		TJ	0	0	0
		[illegible]		[illegible]^3	517,447	3,758,834	629,863
		[illegible]		[illegible]^3	128,794	155,798	0
		[illegible]		ton	0	0	0
		[illegible]		kg	1,362,095	128,869	22,499
[illegible]		[illegible]		[illegible]	41	430	20
[illegible]	[illegible]	[illegible]		[illegible]−CO_2	28,126	71,985	41,579
		[illegible]		ODP ton	0	4	0
		SOx [illegible]		kg	4,505	9,227	3,993
		NOx [illegible]		kg	5,748	15,522	50,279
		[illegible]		kg	460	872	764
		VOCs [illegible]		kg	191,900	147,343	16,101
		PRTR [illegible]		kg	192,129	65,944	17,033
		[illegible]	SOx	PPM	[illegible] ※2	[illegible] ※2	[illegible] ※2
			NOx	PPM	[illegible] ※2	[illegible] ※2	[illegible] ※2
			[illegible]	g/[illegible]^{3}N	[illegible] ※2	[illegible] ※2	[illegible] ※2
			[illegible]	ng/m^{3}N	[illegible] ※4	[illegible] ※4	[illegible] ※4
		[illegible]	[illegible]	mg/m^{3}N	[illegible] ※4	[illegible] ※4	[illegible] ※4
		[illegible]		dB	[illegible] ※2	[illegible] ※2	[illegible] ※2
		[illegible]		m^3/[illegible]	[illegible] ※2	[illegible] ※2	[illegible] ※2
	[illegible]	[illegible]		[illegible]^3	260,258	2,240,000	129,492
		PRTR [illegible]		kg	0.0	162	0
		COD [illegible]	COD	kg	512	9,000	31
			[illegible]	kg	1,271	15,200	29
			[illegible]	kg	52	444	1
		[illegible]		mg/L	[illegible] ※2	[illegible] ※2	[illegible] ※2
	[illegible]	[illegible]		ton	13,116	3,509	4,192
		[illegible]		ton	5,457	1,894	0
		[illegible]		ton	7,153	793	3,685
		[illegible]		ton	387	431	276
		[illegible]		ton	23	139	184
		[illegible]		ton	61	194	47
		[illegible]		kg	95,111	140,750	105
		PRTR [illegible]		kg	90,810	52,175	2,805
[illegible]		[illegible]			P11[illegible]18	P11[illegible]18	P11[illegible]18
		[illegible]			———※3	———※3	———※3
[illegible]		[illegible] CO_2 [illegible]		[illegible]−CO_2	852	291	126
		[illegible] NOx [illegible]		kg	5,282	1,455	555
		[illegible]		[illegible]	0	2	5



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26,984	166,280	98	170,854	26,641	466,435	
0	736	0	2,120	0	6,926	
122	704	87	560	287	3,487	□−6.7□□
23	784	57	350	185	2,482	□+18.1□□
144	1,488	144	910	472	5,969	□+2.2□□
0	0	0	0	0	0	
71,722	1,036,900	76,488	834,354	230,074	7,155,682	□+2.3□□
30,013	30,320	0	0	11,780	356,705	□+21.3□□
10	0	0	0	0	10	
40,954	638,349	0	764,548	37,223	2,994,536	
399	259	9	9	19	1,185	
4,738	59,882	5,416	44,005	17,151	272,883	□+6.2□□
0	0	0	0	0	4	
0	278	——※3	97	13	18,113	□−19.8□□
159	18,090	——※3	365	8,178	98,342	□−38.8□□
0	797	——※3	119	175	3,187	□−32.1□□
38,038	113,795	——※3	611,863	27,606	1,146,647	
38,038	143,233	0	611,863	27,606	1,095,846	
□□※2	□□※2	□□□※4	□□※2	□□※2	□□※2	
□□※2	□□※2	□□□※4	□□※2	□□※2	□□※2	
□□※2	□□※2	□□□※4	□□※2	□□※2	□□※2	
□□□※4	□□※2	□□□※4	□□□※4	□□□※4	□□※2	
□□□※4	□□□※4	□□□※4	□□□※4	□□□※4	□□□※4	
□□※2	□□※2	□□□※4	□□※2	□□※2	□□※2	
□□※2	□□※2	□□□※4	□□※2	□□※2	□□※2	
13,734	620,671	0	0	44,446	3,308,601	□+5.4□□
0	2,829	——※3	0	0	2,991	□−9.2□□
41	5,627	0	1,034	337	16,582	□−1.2□□
199	13,392	——※3	——※3	369	30,459	
30	532	——※3	——※3	38	1,096	
□□※2	□□※2	□□※2	□□※2	□□※2	□□※2	
3,689	16,075	222	22,164	3,430	66,395	□−0.8□□
2,951	5,209	73	13,197	449	29,229	
409	9,393	15	5,645	2,781	29,874	□+9.8□□
328	1,184	75	225	200	3,106	
0	30	0	1,725	0	2,102	□−140.8□□
0	259	58	1,372	0	1,991	□−51.3□□
4	712,698	0	80,447	8,070	1,037,185	□+6.2□□
2,916	41,407	0	46,917	8,645	245,675	
P11□18	P11□18	P11□18	P11□18	P11□18	P11□18	
——※3	——※3	——※3	——※3	——※3	——※3	
298	21	43	3,195	72	4,897	
1,899	141	151	21,558	323	31,362	
4	43	0	0	0	54	

■

RPF

● RPF
● 276-0022 1780

[TJ]	1999	2000	2001	2002	2003
	265	275	251	235	224

[ton] / [%]	1999	2000	2001	2002	2003
[illegible]	5,006	5,633	4,476	4,251	3,461
[illegible]	4,141	4,084	3,501	3,499	3,341
[illegible] (%)	82.7	72.5	78.2	82.3	96.5

Kg	
SOx	4.474
NOx	5.350
[illegible]	448

Kg	
COD	134
[illegible]	378
[illegible]	43

RPF

● 504-8710 1

[TJ]	1999	2000	2001	2002	2003
	1,309	1,337	1,345	1,342	1,239

[ton] / [%]	1999	2000	2001	2002	2003
[illegible]	3,587	3,713	3,768	3,306	3,509
[illegible]	1,872	2,173	2,506	2,324	3,117
[illegible] (%)	52	59	67	70	89

Kg	
SOx	9,227
NOx	15,522
[illegible]	872

Kg	
COD	9,000
[illegible]	15,200
[illegible]	444

BK117 C-2

● 650-8670 3 1 1

[TJ]	1999	2000	2001	2002	2003
	533	529	559	557	511

[ton] / [%]	1999	2000	2001	2002	2003
[illegible]	8,557	8,688	8,747	10,188	8,776
[illegible]	5,824	6,155	7,163	8,993	7,718
[illegible] (%)	68.1	70.8	81.9	88.3	87.9

Kg	
SOx	3,970
NOx	50,215
[illegible]	769

Kg	
COD	34
[illegible]	30
[illegible]	0

2

● 652-0884 2 1 18

[TJ]	1999	2000	2001	2002	2003
	233	237	233	237	229

[ton] / [%]	1999	2000	2001	2002	2003
[illegible]	3,607	3,747	4,375	4,042	4,199
[illegible]	2,409	3,080	3,895	3,969	4,199
[illegible] (%)	66.8	82.2	89.0	98.2	100.0

Kg	
SOx	10
NOx	431
[illegible]	9

Kg	
COD	23
[illegible]	21
[illegible]	1

JR

● 673-8666 1 1

[TJ]	1999	2000	2001	2002	2003
	2,375	2,478	2,341	2,418	2,425

[ton] / [%]	1999	2000	2001	2002	2003
[illegible]	20,563	18,327	16,457	16,705	17,322
[illegible]	8,349	7,847	10,729	11,474	16,949
[illegible] (%)	40.6	42.8	65.2	68.7	97.8

Kg	
SOx	278
NOx	18,090
[illegible]	797

Kg	
COD	5,627
[illegible]	13,392
[illegible]	532

Ninja ZX-10R

●〒675-1113 2680

[TJ]

1999	2000	2001	2002	2003
155	150	156	156	162

	[ton]	[ton]	[%]
1999	4,787	4,321	90.3
2000	4,589	4,285	93.4
2001	4,466	4,345	97.3
2002	4,941	4,941	100.0
2003	5,457	5,457	100.0

Kg

SOx	[illegible]
NOx	[illegible]
[illegible]	[illegible]

Kg

COD	443
[illegible]	350
[illegible]	16

●〒675-0155 8

[TJ]

1999	2000	2001	2002	2003
113	107	107	107	124

	[ton]	[ton]	[%]
1999	3,867	3,469	89.7
2000	3,792	3,468	91.5
2001	3,176	3,104	97.7
2002	3,268	3,268	100.0
2003	3,554	3,554	100.0

Kg

SOx	[illegible]
NOx	159
[illegible]	[illegible]

Kg

COD	41
[illegible]	199
[illegible]	30

●〒651-2239 234

[TJ]

1999	2000	2001	2002	2003
369	406	348	407	472

	[ton]	[ton]	[%]
1999	2,126	1,367	64.3
2000	2,465	2,031	82.4
2001	2,418	2,050	84.8
2002	2,804	2,801	99.9
2003	3,430	3,430	100.0

Kg

SOx	13
NOx	8,178
[illegible]	175

Kg

COD	337
[illegible]	369
[illegible]	38

● LNG/LPG
●〒762-8507 1

[TJ]

1999	2000	2001	2002	2003
632	451	454	485	705

	[ton]	[ton]	[%]
1999	16,926	13,988	82.6
2000	15,187	12,413	81.7
2001	18,036	15,643	86.7
2002	15,424	13,468	87.3
2003	16,516	14,270	86.4

Kg

SOx	97
NOx	365
[illegible]	119

Kg

COD	1,034
[illegible]	——
[illegible]	——

LNG

2004 Kawasaki

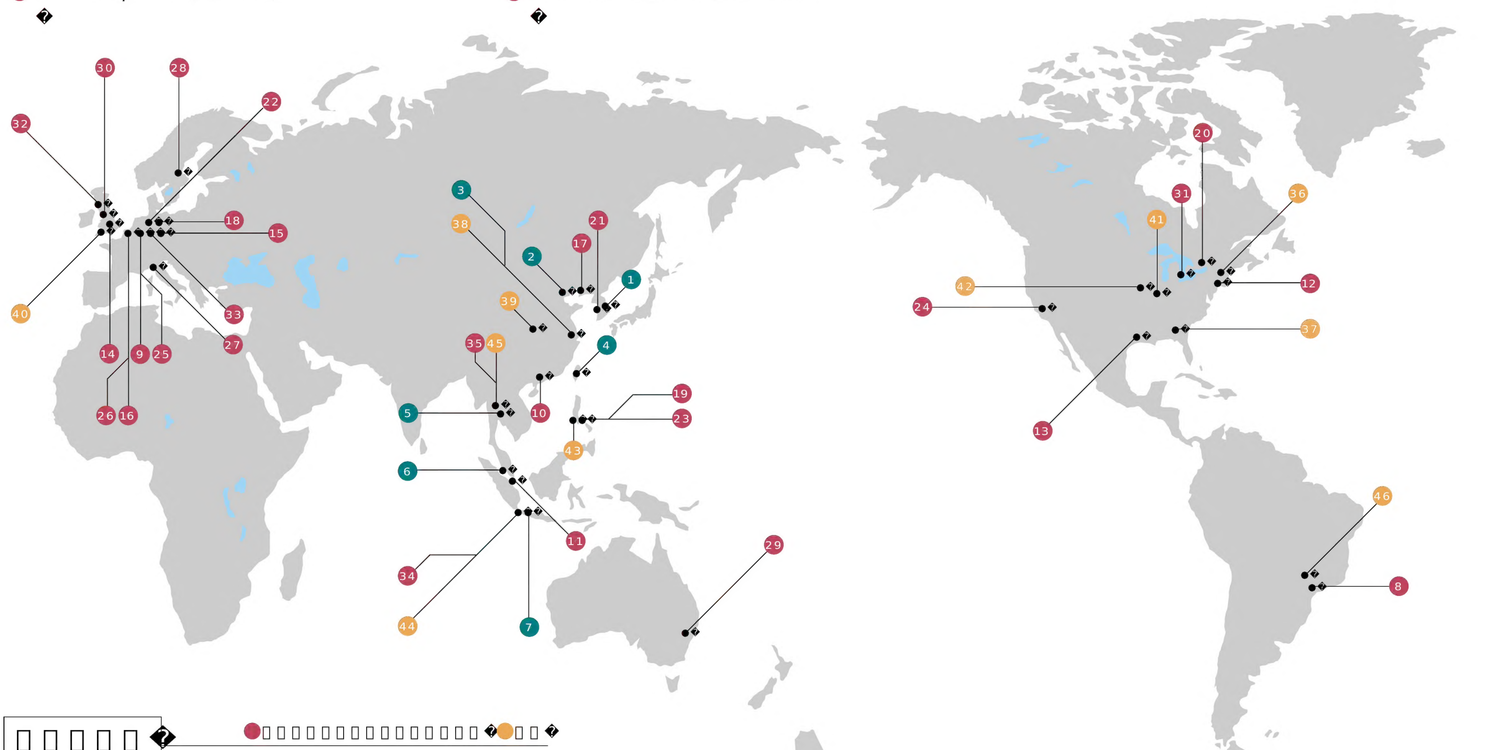
地球が微笑む物づくり

Promise to the Earth





8. Kawasaki do Brasil Industria e Comercio Ltda
9. Kawasaki Heavy Industries(Europe)B.V
10. Kawasaki Heavy Industries(H.K.) Ltd.
11. Kawasaki Heavy Industries(Singapore)Pte.Ltd.
12. Kawasaki Heavy Industries(U.S.A.),Inc.
13. Kawasaki Heavy Industries(U.S.A.),Inc.(Houston Branch)
14. Kawasaki Heavy Industries(UK) Ltd.
15. Kawasaki Heavy Industries G.m.b.H
16. KHI Europe Finance B.V
18. Kawasaki Gas Turbine Europe G.m.b.H
19. KHI Design Technical Service Inc.
20. Canadian Kawasaki Motors Inc.
21. Kawasaki Machine Systems Korea,Ltd.
22. Kawasaki Motors Germany Branch
23. Kawasaki Motors(Phils.)Corporation
24. Kawasaki Motors Corp., U.S.A.
25. Kawasaki Motors Europe N.V.
26. Kawasaki Motors France Branch
27. Kawasaki Motors Italy Branch
28. Kawasaki Motors Sweden Branch
29. Kawasaki Motors Pty. Ltd.
30. Kawasaki Motors U.K. Branch
31. Kawasaki Robotics(U.S.A.),Inc.
32. Kawasaki Robotics(UK) Ltd.
33. Kawasaki Robotics G.m.b.H.
34. P.T.Kawasaki Motor Indonesia
35. Kawasaki Motors Enterprise(Thailand)Co., Ltd.
36. Kawasaki Rail Car,Inc.
37. Kawasaki Construction Machinery Corp. of America
40. Kawasaki Precision Machinery(UK) Ltd.
41. Kawasaki Motors Manufacturing Corp., U.S.A.(Maryville Plant)
42. Kawasaki Motors Manufacturing Corp., U.S.A.(Lincoln Plant)
43. Kawasaki Motors(Phils.)Corporation
44. P.T.Kawasaki Motor Indonesia
45. Kawasaki Motors Enterprise(Thailand)Co., Ltd.
46. Kawasaki Aeronautica do Brasil industria Ltda.





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